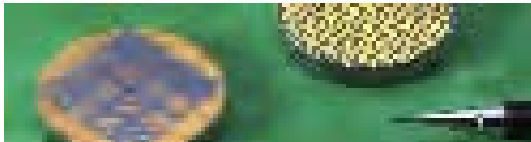




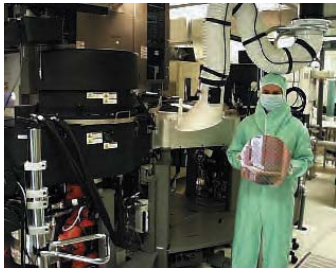
PV ALLIANCE

From Labs to Fabs

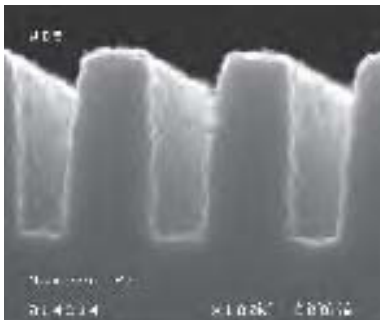
A JV between 3 partners ...



Photowatt



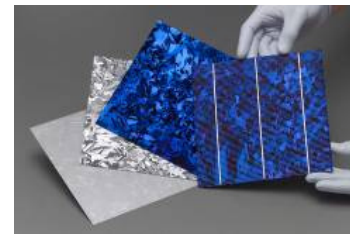
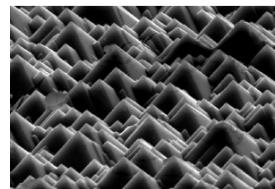
CEA-LITEN



EDF Energies Nouvelles

Its starts with a large R&D project

- PV alliance is the leader of **Solar Nano Crystal**, a 5 years, 140M€ budget, R&D project:
- 7 partners : Ferropem, Silicium de Provence, Emix, CNRS, CEA LITEN, Appolon Solar, PV Alliance
- 2 Main goals :
 - Largely improve the economics of UMG-Si based solar cells (16%)
 - Developp a high efficiency solar cells process (22%)

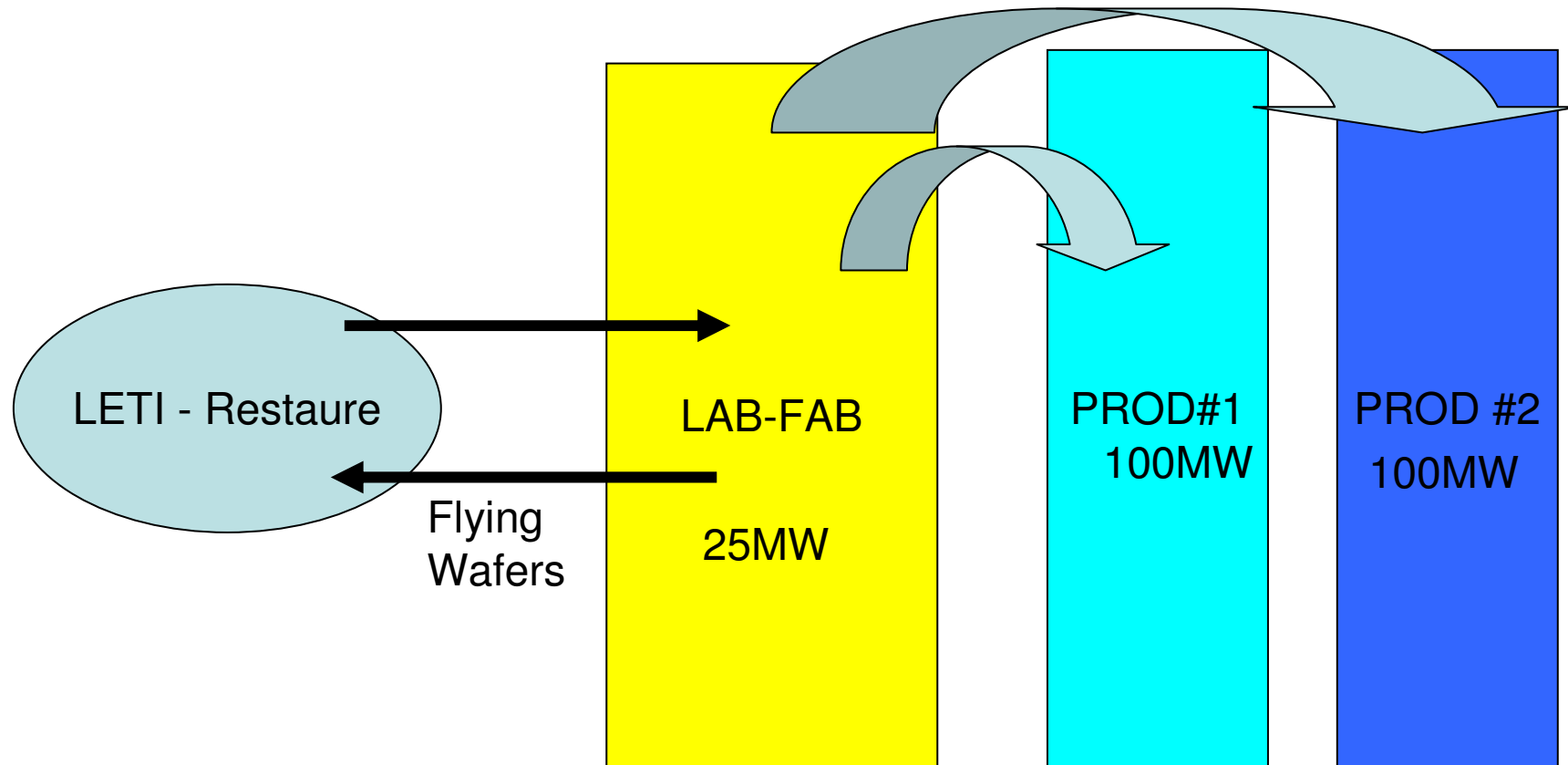


....to reach an industrial critical size rapidly ...

- The goal is to get to 400MW on one site within 5 years
- Global Investment : around 800M€



A new way to tackle R&D ... the lab-fab



The First PVA LabFab in Bourgoin-Jallieu



 PValliance DE LA RECHERCHE VERS L'INDUSTRIE	
cea Valorisation	20%
EDF énergies nouvelles	40%
Photowatt TECHNOLOGIES	40%



Thank You for your attention

